

Straight SMA Female to QMA Male Adapter



Product Classification

Product Type Adapter

General Specifications

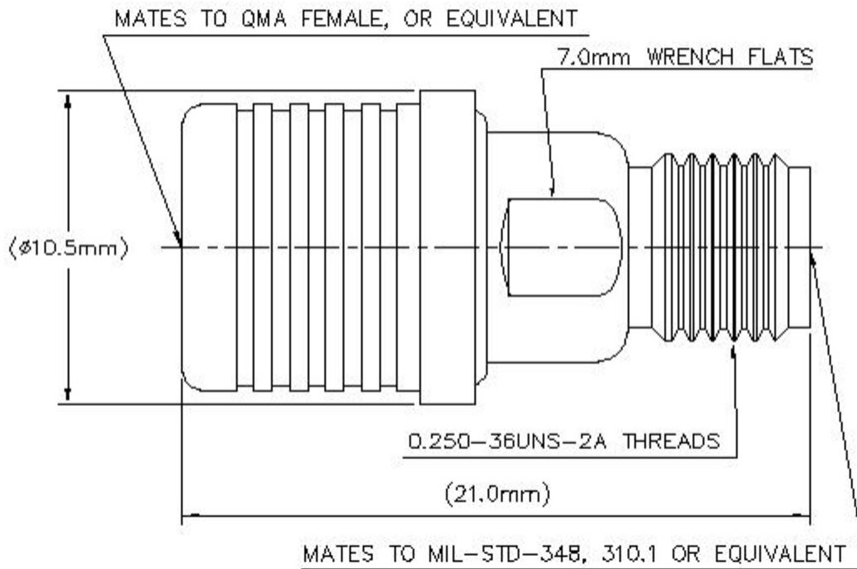
Body Style Straight
Inner Contact Plating Gold
Interface SMA Female
Interface 2 QMA Male
Mounting Angle Straight
Outer Contact Plating Trimetal
Pressurizable No

Dimensions

Width 10.5 mm | 0.413 in
Length 21.03 mm | 0.828 in
Diameter 10.5 mm | 0.413 in

Outline Drawing

CA-SFQM



Electrical Specifications

Average Power at Frequency	100.0 W @ 900 MHz
Connector Impedance	50 ohm
dc Test Voltage	1000 V
Inner Contact Resistance, maximum	3 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 18000 MHz
Outer Contact Resistance, maximum	2.5 mOhm
Peak Power, maximum	5 kW
RF Operating Voltage, maximum (vrms)	500 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0-3000 MHz	1.029	36.9
3000-6000 MHz	1.048	32.61
6000-9000 MHz	1.112	25.51
12000-18000 MHz	1.227	19.84

Mechanical Specifications

Insertion Force	22 N 4.946 lbf
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CA-SFQM

Insertion Force Method	IEC 61169-15:9.3.5
Interface Durability	100 cycles
Interface Durability Method	IEC 61169-16:9.5
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F
Climatic Sequence Test Method	IEC 60068-1
Corrosion Test Method	IEC 60068-2-11
Damp Heat Steady State Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	5.27 g 0.012 lb
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

